

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An apparatus for switching library managers, the apparatus comprising:

a communications module configured to receive a directive to transition library management functions from a first library manager to a second library manager, the communications module further configured to communicate with the first library manager, the second library manager, and a host computer; and

a control module configured to direct the first library manager to reject data transaction commands, except for new data transaction commands of a specified data transaction command type, while maintaining a storage device in a state responsive to data transaction commands of the specified data transaction command type during the transition of library management functions from the first library manager to the second library manager; also suspend the library management function of the first library manager; and activate the library management function of the second library manager.

2. (original) The apparatus of claim 1, further comprising a timing module, the timing module configured to receive a timeout directive, and to initiate a timeout period.

3. (previously presented) The apparatus of claim 2, wherein the control module is configured to suspend the library management function of the first library manager responsive to the completion of the timeout period.

4. (previously presented) The apparatus of claim 1, wherein the first library manager is configured to store an accepted data transaction command.
5. (previously presented) The apparatus of claim 4, wherein the first library manager is configured to execute a previously accepted data transaction command.
6. (previously presented) The apparatus of claim 4, wherein the control module is configured to terminate the processing of the previously accepted data transaction command.
7. (previously presented) The apparatus of claim 1, wherein the control module is configured to transfer accepted data transaction commands from the first library manager to the second library manager during the transition of library management functions from the first library manager to the second library manager.
8. (canceled)
9. (previously presented) The apparatus of claim 1, wherein the control module is configured to cancel the library manager transition to allow the first library manager to accept new data transaction commands.

10. (currently amended) An apparatus for switching the library manager of a data library, the apparatus comprising:

a storage device responsive to a first library manager and a second library manager, wherein the storage device retrieves and stores data; and

a transition manager module configured to receive a directive for a library manager transition; command the first library manager to reject data transaction commands, except for a new data transaction commands of specified data transaction command type, during the library manager transition from the first library manager to the second library manager; maintain the storage device responsive to data transaction commands of the specified data transaction command type; and command the second library manager to receive data transaction commands.

11. (canceled)

12. (currently amended) An apparatus for switching library managers, the apparatus comprising:

means for managing a data transaction command;

means for completing the data transaction command;

means for rejecting data transaction commands, except for new data transaction commands of a specified data transaction command type, during the library manager transition from the first library manager to the second library manager;

means for maintaining the completing means responsive to data transaction commands of the specified data transaction command types;

means for suspending library management functions of the first library manager;

and

means for activating the library management functions of a second library manager.

13. (currently amended) The apparatus of claim 12, further comprising means for storing the data transaction ~~command~~; command.

14. (original) The apparatus of claim 12, further comprising means for executing the stored data transaction command.

15. (currently amended) A system for switching library managers, the system comprising:

a first library manager configured to accept and execute a data transaction command;

a second library manager configured to accept and execute the data transaction command;

a storage device configured to receive the data transaction command from the first library manager and the second library manager; and

a transition manager module configured to receive a directive for a library manager transition; direct the first library manager to reject data transaction commands except for new data transaction commands of a specified data transaction command type, while maintaining the storage device responsive to data transaction commands of the specified data transaction command type during the library manager transition from the first library manager to the second library manager; suspend the library management function of the first library manager; and to activate the library management function of the second library manager.

16. (canceled)

17. (original) The system of claim 15, wherein the transition manager module is configured to notify a host computer that the library manager transition is in process.

18. (previously presented) The system of claim 15, wherein the transition manager module is configured to cancel the library manager transition; to direct the first library manager to accept new data transaction commands; and notify the host computer that the first library manager is accepting data transaction commands.

19. (currently amended) A method for switching library managers, the method comprising:

rejecting data transaction commands, except for new data transaction commands of a specified data transaction command type, at a first library manager during a transition of library management functions from the first library manager to a second library manager

maintaining a storage device responsive to data transaction commands of the specified data transaction command types;

suspending the library management functions of the first library manager; and

activating the library management functions of the second library manager.

20. (original) The method of claim 19, further comprising notifying a host computer that the library manager transition is in process.

21. (original) The method of claim 19, further comprising informing a host computer that the library manager transition is complete.

22. (canceled)

23. (currently amended) The method of ~~claim 22~~claim 19, further comprising terminating execution of ~~the~~of a previously accepted data transaction command.

24. (currently amended) A computer readable storage medium comprising computer readable program code for switching library managers, the program code configured to:

reject a data transaction commands, except for new data transaction commands of a specified data transaction command type, for access to a storage device during a transition of library management functions from the first library manager to a second library manager;

maintain the storage device responsive to data transaction commands of the specified data transaction command type;

suspend the library management functions of the first library manager; and

activate the library management functions of a second library manager.

25. (original) The computer readable storage medium of claim 24, wherein the program code is further configured to notify a host computer that a library manager transition is in process.

26. (original) The computer readable storage medium of claim 24, wherein the program code is further configured to inform the host computer that the library manager transition is complete.

27. (canceled)

28. (original) The computer readable storage medium of claim 24, wherein the program code is further configured to store an accepted data transaction command.

29. (canceled)

30. (previously presented) The computer readable storage medium of claim 24, wherein the program code is further configured to terminate the execution of the accepted data transaction command.

31. (previously presented) The apparatus of claim 1, wherein the first library manager is further configured to execute a previously accepted data transaction command during the transition of library management functions from the first library manager to the second library manager.

32. (previously presented) The apparatus of claim 10, wherein the first library manager is further configured to transfer a previously accepted data transaction command from the first library manager to the second library manager during the library manager transition from the first library manager to the second library manager.

33. (previously presented) The system of claim 15, wherein the first library manager is further configured to transfer a previously accepted data transaction command from the first library manager to the second library manager during the library manager transition from the first library manager to the second library manager.

34. (previously presented) The method of claim 19, further comprising executing a previously accepted data transaction command.

35. (previously presented) The computer readable storage medium of claim 28, wherein the program code is further configured to execute the accepted data transaction commands.

36. (previously presented) The computer readable storage medium of claim 28, wherein the program code is further configured to transfer a previously accepted data transaction command from the first library manager to the second library manager during the library manager transition from the first library manager to the second library manager.